

## ABSTRACT

Modern enterprises have multiple dissimilar data stores. Collectively, the enterprise data stores store a set of enterprise data objects, typically in multiple dissimilar formats. An object-oriented heterogeneous data store interface (HDSI) for interacting with such enterprise data stores and data objects is described. The HDSI may include a query component, a data store component and a provider interface that specifies a query behavior with a query component parameter. For each type of data store, there may be a provider plug-in to the HDSI. Each provider plug-in may include provider components that conform to the provider interface. The HDSI may further include data store object components corresponding to data objects stored in the data stores. A data store object design GUI may be utilized to build graphical representations of data objects. A data store object source code generator may generate object-oriented programming language source code for each data store object component.